Product data sheet

Specifications



() Discontinued

AC servo motor BSH, Lexium 05, 3.4N.m, 2500rpm, untapped shaft, without brake, IP65

BSH1002P22A1A

Discontinued on: Jun 30, 2023

Main

Product Or Component Type	Servo motor						
Device Short Name	BSH						
Maximum Mechanical Speed	6000 rpm						
Continuous Stall Torque	4.5 N.m for LXM15LD21M3, 230 V, single phase						
	3.4 N.m for LXM15LD13M3, 230 V, three phase						
	3.4 N.m for LXM15LD10N4, 230 V, three phase						
	3.4 N.m for LXM15LD10N4, 400 V, three phase						
	3.4 N.m for LXM15LD10N4, 480 V, three phase						
	5.8 N.m for LXM15LD17N4, 400 V, three phase						
	5.8 N.m for LXM15LD17N4, 480 V, three phase						
	5.8 N.m for LXM15LD21M3, 230 V, three phase						
	5.5 N.m for LXM05AD17M3X, 200240 V, three phase						
	5.5 N.m for LXM05AD22N4, 380480 V, three phase						
	5.5 N.m for LXM05AD28M2, 200240 V, single phase						
	5.5 N.m for LXM05BD17M3X, 200240 V, three phase						
	5.5 N.m for LXM05BD22N4, 380480 V, three phase						
	5.5 N.m for LXM05BD28M2, 200240 V, single phase						
	5.5 N.m for LXM05CD17M3X, 200240 V, three phase						
	5.5 N.m for LXM05CD22N4, 380480 V, three phase						
	5.5 N.m for LXM05CD28M2, 200240 V, single phase						
	5.8 N.m for LXM32.D18N4 at 6 A, 400 V, three phase						
	5.8 N.m for LXM32.D18N4 at 6 A, 480 V, three phase						
Peak Stall Torque	9.39 N.m for LXM15LD21M3, 230 V, single phase						
	5.6 N.m for LXM15LD13M3, 230 V, three phase						
	8 N.m for LXM15LD10N4, 230 V, three phase						
	8 N.m for LXM15LD10N4, 400 V, three phase						
	8 N.m for LXM15LD10N4, 480 V, three phase						
	12.13 N.m for LXM15LD17N4, 400 V, three phase						
	12.13 N.m for LXM15LD17N4, 480 V, three phase						
	14.79 N.m for LXM15LD21M3, 230 V, three phase						
	11.23 N.m for LXM05AD17M3X, 200240 V, three phase						
	13.92 N.m for LXM05AD22N4, 380480 V, three phase						
	16 N.m for LXM05AD28M2, 200240 V, single phase						
	11.23 N.m for LXM05BD17M3X, 200240 V, three phase						
	13.92 N.m for LXM05BD22N4, 380480 V, three phase						
	16 N.m for LXM05BD28M2, 200240 V, single phase						
	11.23 N.m for LXM05CD17M3X, 200240 V, three phase						
	13.92 N.m for LXM05CD22N4, 380480 V, three phase						
	16 N.m for LXM05CD28M2, 200240 V, single phase						
	To Nim for Exmosol Zowiz, 200						
	18.3 N.m for LXM32.D18N4 at 6 A, 400 V, three phase						

Nominal Output Power	950 W for LXM15LD21M3, 230 V, single phase
	950 W for LXM15LD21M3, 230 V, three phase
	780 W for LXM05AD28M2, 200240 V, single phase
	780 W for LXM05BD28M2, 200240 V, single phase
	780 W for LXM05CD28M2, 200240 V, single phase
	1400 W for LXM05AD22N4, 380480 V, three phase
	1400 W for LXM05BD22N4, 380480 V, three phase
	1400 W for LXM05CD22N4, 380480 V, three phase
	1600 W for LXM15LD10N4, 400 V, three phase
	1700 W for LXM15LD17N4, 400 V, three phase
	1950 W for LXM15LD17N4, 480 V, three phase
	2150 W for LXM15LD10N4, 480 V, three phase
	780 W for LXM05AD17M3X, 200240 V, three phase
	780 W for LXM05BD17M3X, 200240 V, three phase
	780 W for LXM05CD17M3X, 200240 V, three phase
	840 W for LXM15LD13M3, 230 V, three phase
	890 W for LXM15LD10N4, 230 V, three phase
	1700 W for LXM32.D18N4 at 6 A, 400 V, three phase
	1700 W for LXM32.D18N4 at 6 A, 480 V, three phase
Nominal Torque	4.5 N.m for LXM15LD21M3, 230 V, single phase
	4.96 N.m for LXM05AD28M2, 200240 V, single phase
	4.96 N.m for LXM05BD28M2, 200240 V, single phase
	4.96 N.m for LXM05CD28M2, 200240 V, single phase
	3.4 N.m for LXM15LD10N4, 230 V, three phase
	3.4 N.m for LXM15LD10N4, 400 V, three phase
	3.4 N.m for LXM15LD10N4, 480 V, three phase
	3.4 N.m for LXM15LD13M3, 230 V, three phase
	3.7 N.m for LXM15LD17N4, 480 V, three phase
	4 N.m for LXM15LD17N4, 400 V, three phase
	4.4 N.m for LXM05AD22N4, 380480 V, three phase
	4.4 N.m for LXM05BD22N4, 380480 V, three phase
	4.4 N.m for LXM05CD22N4, 380480 V, three phase
	4.96 N.m for LXM05AD17M3X, 200240 V, three phase
	4.96 N.m for LXM05BD17M3X, 200240 V, three phase
	4.96 N.m for LXM05CD17M3X, 200240 V, three phase
	5.8 N.m for LXM15LD21M3, 230 V, three phase
	4 N.m for LXM32.D18N4 at 6 A, 400 V, three phase
	4 N.m for LXM32.D18N4 at 6 A, 480 V, three phase
Nominal Speed	3000 rpm for LXM05AD22N4, 380480 V, three phase
	3000 rpm for LXM05BD22N4, 380480 V, three phase
	3000 rpm for LXM05DD22N4, 380480 V, three phase
	1500 rpm for LXM05AD17M3X, 200240 V, three phase
	1500 rpm for LXM05BD17M3X, 200240 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase
	4500 rpm for LXM15LD10N4, 400 V, three phase
	6000 rpm for LXM15LD10N4, 480 V, three phase
	4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase
	4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase
	1500 rpm for LXM05AD28M2, 200240 V, single phase
	1500 rpm for LXM05BD28M2, 200240 V, single phase
	1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase
	2000 rpm for LXM15LD21M3, 230 V, single phase
	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase
	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase
	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase
	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase
	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD21M3 at 230 V single phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD21M3 at 230 V single phase LXM15LD13M3 at 230 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD11M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD1M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD13M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase LXM05BD17M3X at 200240 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD21M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase LXM05BD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD17M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM05AD17M3X at 200240 V three phase LXM05BD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD13M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05DD17M3X at 200240 V three phase LXM15LD10N4 at 480 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase LXM05BD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05D17M3X at 200240 V three phase LXM05D17M3X at 200240 V three phase LXM15LD10N4 at 480 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD13M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05DD17M3X at 200240 V three phase LXM15LD10N4 at 480 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase LXM05BD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05D17M3X at 200240 V three phase LXM05D17M3X at 200240 V three phase LXM15LD10N4 at 480 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD13M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase LXM05BD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05LD10N4 at 230 V three phase LXM15LD10N4 at 320 V three phase LXM15LD10N4 at 480 V three phase LXM15LD10N4 at 320 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD1M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM05BD17M3X at 200240 V three phase LXM05BD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM15LD10N4 at 480 V three phase LXM15LD10N4 at 230 V three phase LXM15LD10N4 at 320 V three phase LXM15LD21M3 at 230 V three phase LXM05AD22N4 at 380480 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD13M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM05AD17M3X at 200240 V three phase LXM05D17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM15LD10N4 at 480 V three phase LXM05AD22N4 at 380480 V three phase LXM05AD22N4 at 380480 V three phase LXM05CD22N4 at 380480 V three phase LXM05CD22N4 at 380480 V three phase LXM05LD17N4 at 400 V three phase
Product Compatibility	2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD1M3 at 230 V single phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM15LD10N4 at 480 V three phase LXM15LD10N4 at 320 V three phase LXM15LD10N4 at 320 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200 V three phase

Shaft End	Untapped
Ip Degree Of Protection	IP65 standard IP67 with IP67 kit
Speed Feedback Resolution	131072 points/turn x 4096 turns
Holding Brake	Without
Mounting Support	International standard flange
Electrical Connection	Straight connectors

Complementary

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Range Compatibility	Lexium 05
	Lexium 15
	Lexium 32
Supply Voltage Max	480 V
Network Number Of Phases	Three phase
Continuous Stall Current	4.8 A
Maximum Continuous Power	2.51 W
Maximum Current Irms	17.1 A for LXM15LD13M3
	17.1 A for LXM15LD21M3
	17.1 A for LXM15LD10N4
	17.1 A for LXM15LD17N4
	17.1 A for LXM05AD28M2
	17.1 A for LXM05AD17M3X
	17.1 A for LXM05AD22N4
	17.1 A for LXM05BD28M2
	17.1 A for LXM05BD17M3X
	17.1 A for LXM05BD22N4
	17.1 A for LXM05CD28M2
	17.1 A for LXM05CD17M3X
	17.1 A for LXM05CD22N4
	17.1 A for LXM32.D18N4
Maximum Permanent Current	17.1 A
Switching Frequency	8 kHz
Second Shaft	Without second shaft end
Shaft Diameter	19 mm
Shaft Length	40 mm
Feedback Type	Multiturn SinCos Hiperface
Motor Flange Size	100 mm
Number Of Motor Stacks	2
Torque Constant	1.21 N.m/A at 120 °C
Back Emf Constant	77 V/krpm at 120 °C
Number Of Motor Poles	8
Rotor Inertia	2.31 kg.cm ²
Stator Resistance	2.4 Ohm at 20 °C
Stator Inductance	12.7 mH at 20 °C
Stator Electrical Time Constant	5.29 ms at 20 °C
Maximum Radial Force Fr	620 N at 4000 rpm
	690 N at 3000 rpm
	790 N at 2000 rpm
	990 N at 1000 rpm
Maximum Axial Force Fa	0.2 x Fr

Type Of Cooling	Natural convection
Length	204.5 mm
Centring Collar Diameter	95 mm
Centring Collar Depth	3.5 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	9 mm
Circle Diameter Of The Mounting Holes	115 mm
Net Weight	5.9 kg

Packing Units

•	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	15.4 cm
Package 1 Width	16.3 cm
Package 1 Length	40.7 cm
Package 1 Weight	5.8 kg

Contractual warranty

Warranty

18 months

Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance



Eq

Rohs Exemption Information Yes

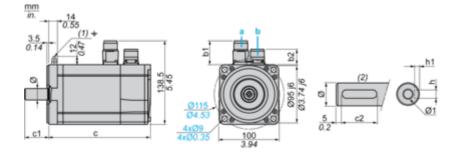
Certifications & Standards

Reach Regulation	REACh Declaration						
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)						
China Rohs Regulation	China RoHS declaration						
Environmental Disclosure	Product Environmental Profile						
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins						
Circularity Profile	No need of specific recycling operations						
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov						

Dimensions Drawings

Servo Motors Dimensions

Example with Straight Connectors



a: Power supply for servo motor brake

b: Power supply for servo motor encoder

(1) M4 screw

(2) Shaft end, keyed slot (optional)

Dimensions in mm

Straight connectors		Rotatable angled connectors		c (without	c (with	c1	c2	h	h1	ø	Ø1 for
b1	b2	b1	b2	brake)	brake)						screws
39.5	25.5	39.5	39.5	205	236	40	30	6 N9	3.5 ^{+0.1} 0	19 k6	M6 x 16

Dimensions in in.

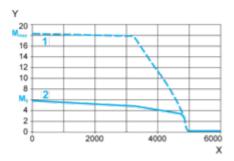
Straight Rotatable angled connectors connectors		c (without c (with		c1	c2	h	h1	ø	Ø1 for		
b1	b2	b1	b2	brake)	brake)						screws
1.55	1.00	1.55	1.55	8.07	9.29	1.57	1.18	0.24 N9	0.14 ^{+0.1} 0	0.75 k6	M6 x 0.63

Performance Curves

400 V 3-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D18N4 servo drive



 $\boldsymbol{\mathsf{X}}$ Speed in rpm

Y Torque in Nm

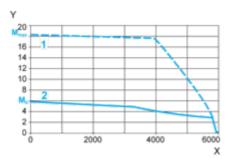
1 Peak torque

2 Continuous torque

480 V 3-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D18N4 servo drive



X Speed in rpm

Y Torque in Nm

1 Peak torque

2 Continuous torque